



F.U.L. S.r.L.

Beyond tooling limits

CATALOGO 2019

UTENSILI PROFESSIONALI
TOOLS FOR INDUSTRIAL APPLICATIONS
PROFI-WERKZEUGE
OUTILS PROFESSIONNELS
HERRAMENTA PROFESIONALES



Utensile specifico per eseguire fori ciechi in legni naturali, pannelli truciolari, multistrati ,ecc.

EN Tool designed to drill blind holes in natural wood, chipboards panels, plywood, etc.
DE Spezialwerkzeug zur Durchführung von Blindbohrungen in Naturholz, Spanholz und Multiplexplatten
FR Outil spécifique pour ouvrir des trous boranes dans des bois naturels.
ES Utensilio específico para realizar agujeros ciegos en madera natural, paneles de aglomerado, paneles MDF ecc.



Utensile specifico per eseguire fori passanti in legni naturali, pannelli truciolari, multistrati ,ecc.

EN Tool designed to drill through holes in natural wood, chipboards panels, plywood, etc.
DE Spezialwerkzeug zur Durchführung von Durchgangsbohrungen in Naturholz, Spanholz und Multiplexplatten
FR Outil spécifique pour ouvrir des trous de passage dans des bois naturels.
ES Utensilio específico para realizar agujeros pasantes en madera natural, paneles de aglomerado, paneles MDF ecc.



Gambo con piano di serraggio.

EN Shank with clamping flat.
DE Werkzeug mit Aufhängevorrichtung und Befestigungsplatte.
FR Outil équipé de fixation avec plan de fixation
ES Mango con plano de apriete



Tagliante con elica traente: migliore finitura sulla superficie inferiore del legno lavorato.

EN Up cut spiral: better finish on lower side of worked panel.
DE Druckschneide für eine bessere Ausarbeitung der unteren Holzoberfläche.
FR Hélice propulsive
ES Corte con hélice a derecha: mejor acabado en la superficie inferior del material elaborado



Tagliante con elica spingente: migliore finitura sulla superficie superiore del legno lavorato.

EN Down cut spiral: better finish on upper side of worked panel.
DE Zugschneide für eine bessere Ausarbeitung der oberen Holzoberfläche.
FR Hélice tractive
ES Corte con hélice a izquierda: mejor acabado en la superficie superior del material elaborado



Tagliante con elica traente e spingente: finitura ottimizzata su entrambe le superfici del legno lavorato.

EN "Compression" cut spiral: better finish on both sides of worked panel.
DE Druck- / Zug- / spirale: optimale Ausarbeitung der beiden unteren und oberen Holzoberflächen.
FR Hélice tractive - propulsive
ES Corte con hélice positiva y negativa: acabado optimizado en ambas superficies del material elaborado



HP Utensile ad alte prestazioni
HP+ Utensile ad altissime prestazioni

EN High performance tool
DE Hochleistungswerkzeug
FR Outil performant
ES Herramienta de alto rendimiento



Utensile con incisore negativo per superfinitura.

EN Chip free negative spurs action.
DE Prägewerkzeug mit negativem Schlift.
FR Inciseur avec affutage négatif.
ES Utensilio con incisor negativo para superacabado



Utensile con incisore tondo rinforzato.

EN Tool with round reinforced spur
DE Rundschnneider und destärkt
FR Inciseur avec affutage rond.
ES Incisor tondo con refuerzo



Utensile dotato di vite di regolazione sulla lunghezza totale

EN Tool with length adjusting screw.
DE Werkzeug mit Einstellschraube für die Gesamtlänge.
FR Outil équipé de vis re réglage de la longueur totale.
ES Utensilio dotato de tomillo de regulación del largo total



Numero dei taglienti (+1 = Tagliante in testa)

EN Numbers of flutes (+1= Means plunge cut).
DE Anzahl der Schneiden (+1= Kopfschneide).
FR Nombre de tranchants (+1= Tranchant en tête).
ES Número de los cortes (+1= Corte en la punta)



Z = Numero dei taglienti
V = Numero degli incisori

EN (Z) Numbers of flutes - (V) Numbers of spurs.
DE (Z) Anzahl der Schneiden - (V) Vorschneider.
FR (Z) Nombre de tranchants - (V) Inciseur.
ES (Z) Número de cortes - (V) Número de los incisor



Rivestimento plastico anti-aderente

EN Non stick coating.
DE Werkzeug mit Antihalt-Kunststoffüberzug.
FR Outil avec revêtement en plastique anti-adhésion.
ES Revestimiento plástico antiadherente



Carburo di tungsteno in qualità micrograna: altissima tenacità e resistenza all'usura

EN Micrograin hardmetal: highest toughness combined with superior wear resistance.
DE Qualität Hartmetall mit Feinkörnung: sehr hohe Festigkeit- und Verschleiß-Widerstand
FR Carbure de tungstène micrograin a haute tenue de coupe
ES Carburo de tungsteno de calidad micrograno: altísima tenacidad y resistencia al desgaste



Rotazione sinistrorsa (antioraria).
Rotazione destrorsa o oraria

EN Left hand or anti-clockwise rotation. Right hand or clockwise rotation.
DE Linksdrehung. Rechtsdrehung.
FR Outil à rotation gauche. Outil à rotation droite
ES Rotación a izquierda (Antihoraria) Rotación a derecha (Horaria)



Rotazione sinistrorsa (antioraria) fornita su richiesta.
Rotazioni fornite su richiesta

EN Left hand rotation supplied only on request.
DE Linksdrehung auf Anfrage.
FR Rotation gauche sur demande.
ES Rotación a izquierda (Antihoraria) servida bajo pedido



Utensile specifico per sgrossatura.

EN Tool designed for rough working.
DE Spezial-Schruppwerkzeug.
FR Outil spécifique pour les opérations de degrossinage.
ES Utensilio específico para desbaste



Utensile specifico per finitura

EN Tool designed for finish working.
DE Spezial-Schlichtwerkzeug.
FR Outil spécifique pour les opérations de finition.
ES Utensilio específico para acabado



Utensile adatto a lavorazioni CNC

EN Tool suitable for CNC working
DE Werkzeuge für CNC - Maschinen
FR Outil indiqué pour CCN
ES Utensilio adaptado para trabajos en CNC



Utensile DIAMANTE

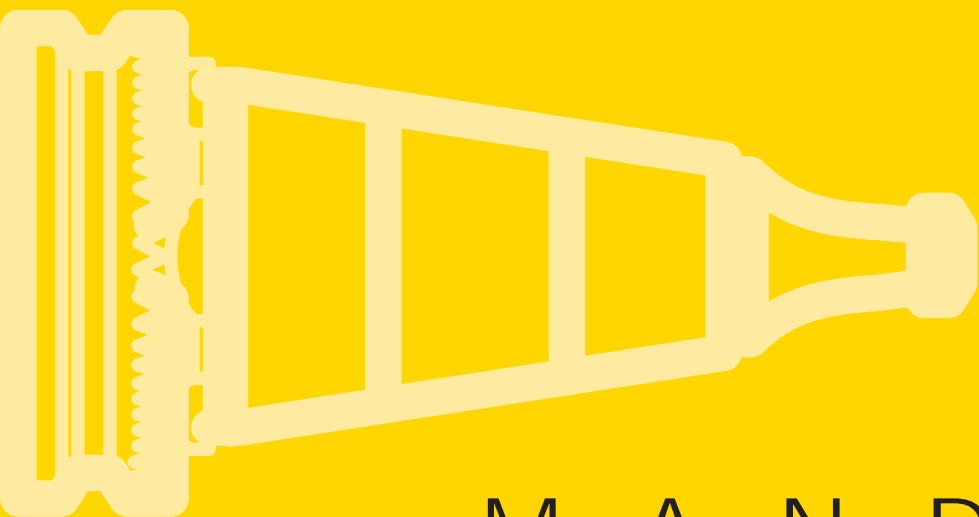
EN PCD Tool diamond
DE PKD Werkzeuge
FR Outil diamant
ES herramienta diamante



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WORKINGSPLACE

	INDUSTRIAL 	HIGH PERFORMANCE 	HIGH PERFORMANCE PLUS 	DIAMANTE 
LEGNO SOFTWOOD	★★★★★	★★★★★	★★★	
LEGNO DURO HARDWOOD	★★★★★	★★★★★	★★★★★	
TRUCIOLARE CHIPBOARD	★★	★★★★	★★★★★	★★★★★
MDF	★	★★★	★★★★★	★★★★★
HDF	★	★★★	★★★★★	★★★★★



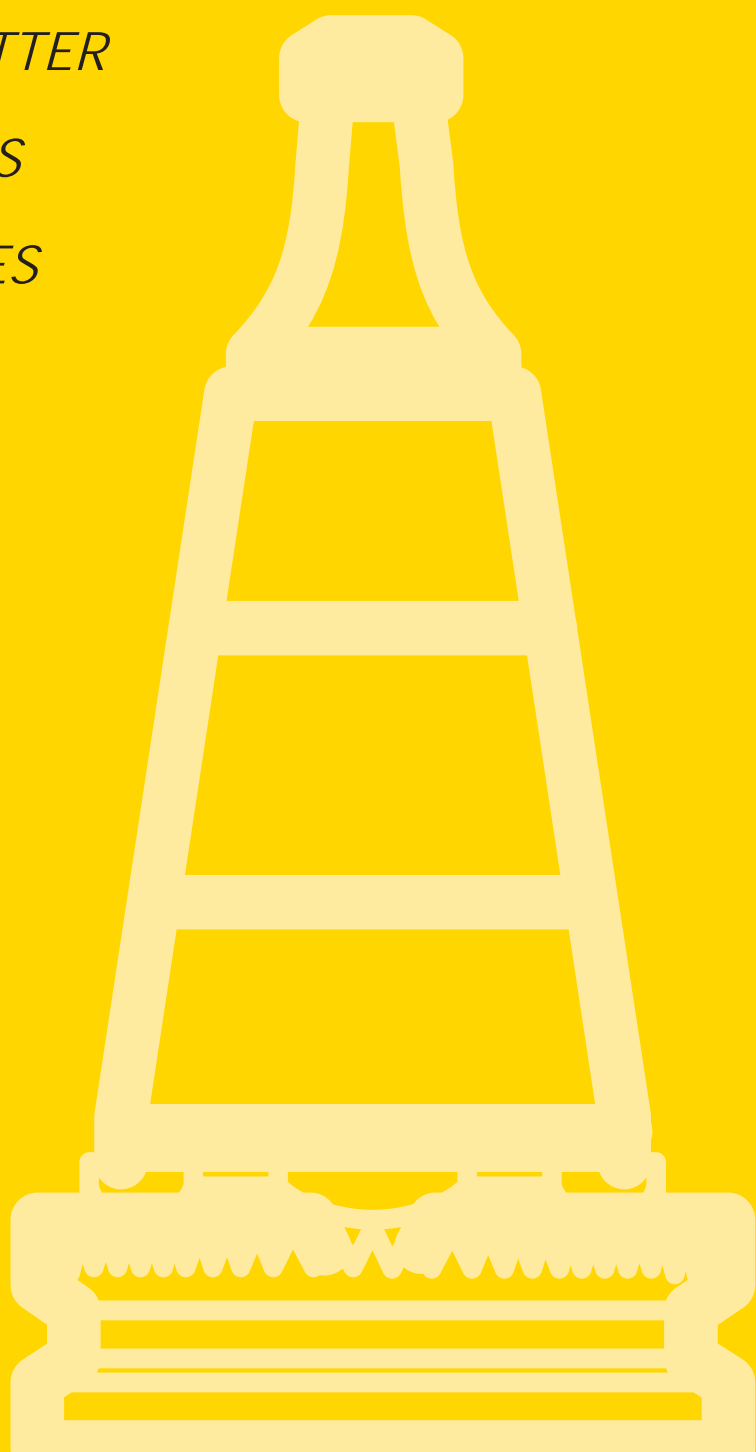
M A N D R I N I

CHUCKS

SPANNFUTTER

MANDRINS

MANDRILES



0130

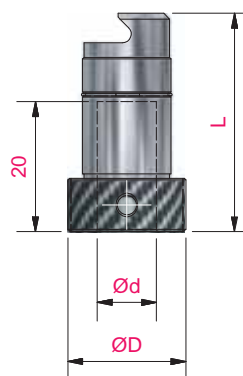
Mandrini porta punta per cambio rapido

Quick change drill holder

Schnellwechselfutter

Mandrin de réductions
pour mèches à tourillons

Mandriles para brocas
con cambio rapido



Ød	ØD	L	DX - RH	SX - LH
10	20	37	0130.100.R	0130.100.L
10	20	30	0130.101.R	0130.101.L

"BIESSE"

0131

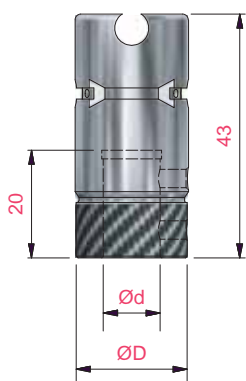
Mandrini porta punta per cambio rapido

Quick change drill holder

Schnellwechselfutter

Mandrin de réductions
pour mèches à tourillons

Mandriles para brocas
con cambio rapido



Ød	ØD	DX - RH	SX - LH
10	20	0131.100.R	
10	16	0131.101.R rib.	
M10	20	0131.102.R	0131.102.L fil.

"MORBIDELLI"

0131.500

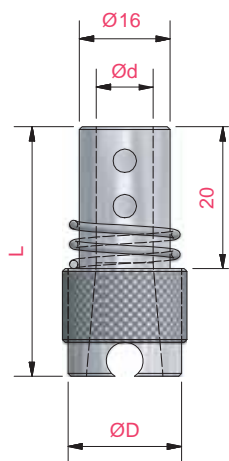
Mandrini porta punta per cambio rapido

Quick change drill holder

Schnellwechselfutter

Mandrin de réductions
pour mèches à tourillons

Mandriles para brocas
con cambio rapido



Ød	ØD	L	Part Number
10	20	44	0131.500

"MORBIDELLI"
con molla di estrazione

Mandrini porta punta per cambio rapido

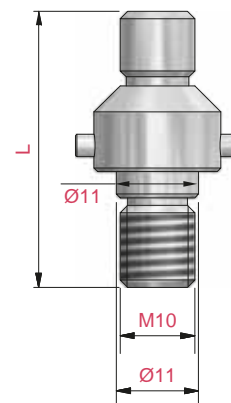
0131.600

Quick change drill holder	Schnellwechselfutter	Mandrin de réductions pour mèches à tourillons	Mandriles para brocas con cambio rapido
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L	DX - RH	SX - LH
37	0131.600.R	0131.600.L

Adattatore per utilizzo di mandrini a cambio rapido per macchine MORBIDELLI - SCM con attacco filettato m10/11 si usa con art. 0131.100.r e/o art. 0131.500.R

Adapter to be used on MORBIDELLI - SCM machines with threaded shank drill holderes



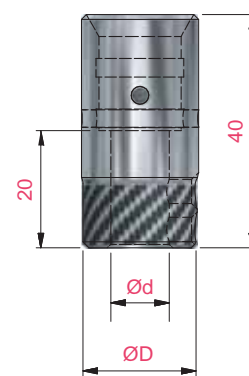
Mandrini porta punta per cambio rapido

0132

Quick change drill holder	Schnellwechselfutter	Mandrin de réductions pour mèches à tourillons	Mandriles para brocas con cambio rapido
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Ød	ØD	DX - RH
10	20	0132.100.R

*"MASTERWOOD"
"MAGGI"
"GRIGGIO"*



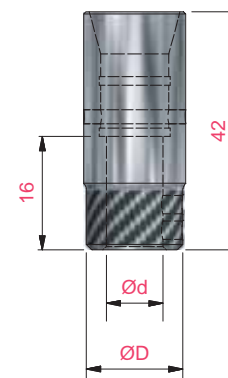
Mandrini porta punta per cambio rapido

0133

Quick change drill holder	Schnellwechselfutter	Mandrin de réductions pour mèches à tourillons	Mandriles para brocas con cambio rapido
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Ød	ØD	DX - RH
10	18	0133.100.R

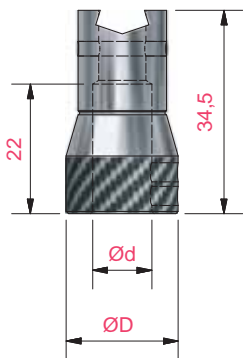
"VITAP"



0134**Mandrini porta punta per cambio rapido**

Quick change drill holder

Schnellwechselfutter

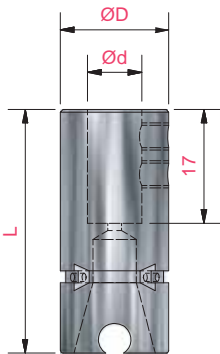
Mandrin de réductions
pour mèches à tourillonsMandriles para brocas
con cambio rapido

$\varnothing d$	$\varnothing D$	DX - RH
10	19	0134.100.R

*"BUSELLATO"***0135.100****Mandrini porta punta per cambio rapido**

Quick change drill holder

Schnellwechselfutter

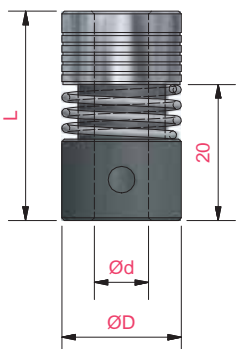
Mandrin de réductions
pour mèches à tourillonsMandriles para brocas
con cambio rapido

$\varnothing d$	$\varnothing D$	L	Part Number
10	20	45	0135.100.R

*"DETEL"***0136.100****Mandrini porta punta per cambio rapido**

Quick change drill holder

Schnellwechselfutter

Mandrin de réductions
pour mèches à tourillonsMandriles para brocas
con cambio rapido

$\varnothing d$	$\varnothing D$	L	Part Number
10	22	38,5	0136.100.R

"GRASS"

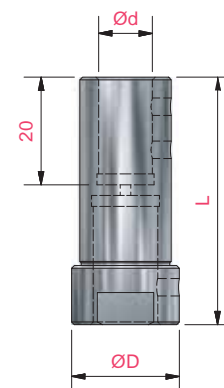
Mandrini porta punta per cambio rapido

0140

Quick change drill holder | Schnellwechselfutter | Mandrin de réductions pour mèches à tourillons | Mandriles para brocas con cambio rapido

Ød	ØD	L	DX - RH
10	20	46	0140.100.R
10	20	56	0140.101.R
10	20	66	0140.102.R

"WEEKE"



Mandrini porta punta per cambio rapido

0150

Quick change drill holder | Schnellwechselfutter | Mandrin de réductions pour mèches à tourillons | Mandriles para brocas con cambio rapido

Ød	ØD	XL	Part Number
10	18	17,5	0150.100.N

vite di fissaggio: 1V.011



Mandrini porta punta per cambio rapido

0151

Quick change drill holder | Schnellwechselfutter | Mandrin de réductions pour mèches à tourillons | Mandriles para brocas con cambio rapido

Ød	ØD	DX - RH	SX - LH
14	18	0151.100.R	0151.100.L

"AYEN"
"HOLZMA"



0152**Mandriani porta punta per cambio rapido**

Quick change drill holder

Schnellwechselfutter

Mandrin de réductions
pour mèches à tourillonsMandriles para brocas
con cambio rapido

L	DX - RH	SX - LH
22,5	0152.100.R	0152.100.L

"MORBIDELLI"
"BIESSE"
"WEEKE"
"BUSELLATO"
"TORWEGGE"

0153**Mandriani porta punta per cambio rapido**

Quick change drill holder

Schnellwechselfutter

Mandrin de réductions
pour mèches à tourillonsMandriles para brocas
con cambio rapido

L	DX - RH	SX - LH
22,5	0153.100.R	0153.100.L

"VITAP"
"ALBERTI"

0154**Mandriani porta punta per cambio rapido**

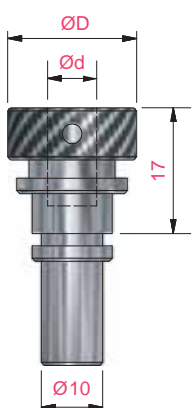
Quick change drill holder

Schnellwechselfutter

Mandrin de réductions
pour mèches à tourillonsMandriles para brocas
con cambio rapido

Ød	ØD	DX - RH	SX - LH
14	18	0154.100.R	0154.100.L

"NOTTMEYER"

0160.100.N**Mandriani per cambio automatico "BIESSE"**

Quick change drill holder

Schnellwechselfutter

Mandrin de réductions
pour mèches à tourillonsMandriles para brocas
con cambio rapido

Ød	ØD	L	Part Number
10	21	42	0160.100.N

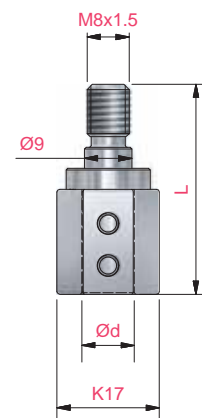
"BIESSE"

Mandrini per punta componibile

0012

Drill Holder	Spannfutter	Mandrins pour mèches à élément	Portabrocas
--------------	-------------	--------------------------------	-------------

Ød	L	DX - RH	SX - LH
8	40	0012.080.R	0012.080.L
10	40	0012.100.R	0012.100.L

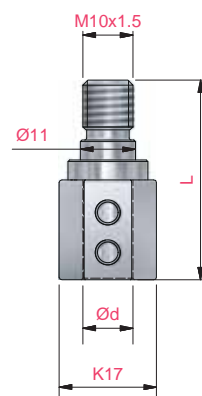


Mandrini per punta componibile

0013

Drill Holder	Spannfutter	Mandrins pour mèches à élément	Portabrocas
--------------	-------------	--------------------------------	-------------

Ød	L	DX - RH	SX - LH
8	40	0013.080.R	0013.080.L
10	40	0013.100.R	0013.100.L

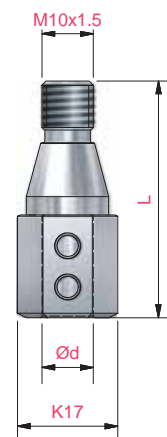


Mandrini per punta componibile

0014

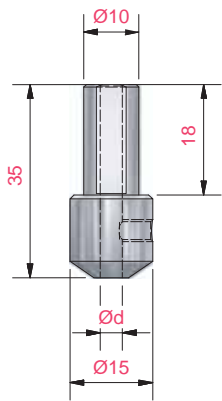
Drill Holder	Spannfutter	Mandrins pour mèches à élément	Portabrocas
--------------	-------------	--------------------------------	-------------

Ød	L	DX - RH	SX - LH
8	46	0014.080.R	0014.080.L
10	46	0014.100.R	0014.100.L



0010

Bussole e riduzioni per punte integrali

Bushing and chucks for
jobber drillsAufnahmen für
spiralbohrerMandrins pour mèches
à percer

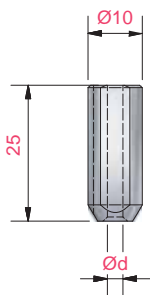
Portabrocas

Ød	Part Number
2	0010.020
2.5	0010.025
3	0010.030
3.2	0010.032
3.5	0010.035
4	0010.040
5	0010.050



0011

Bussole e riduzioni per punte integrali

Bushing and chucks for
jobber drillsAufnahmen für
spiralbohrerMandrins pour mèches
à percer

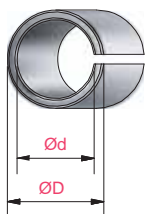
Portabrocas

Ød	Part Number
2	0011.020
2.5	0011.025
3	0011.030
3.2	0011.032
3.5	0011.035
4	0011.040
5	0011.050



0008

Mandrini



Chucks

Spannfutter

Mandrins

Mandriles

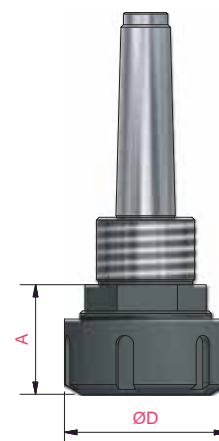
Ød	ØD	L	Part Number
6	8		0008.001
6	9,5		0008.002
6	10		0008.003
6	12		0008.004
6,35	12,7		0008.005
8	9,5		0008.006
8	10		0008.007
8	12		0008.008
9,5	12		0008.009
10	12		0008.010

Mandrino CNC MK2

0080

Chucks Spannfutter Mandrins Mandriles

Rot	Cono Taper	ØD	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	C.M.2/FIL M20	50	85	Ø2÷20 (ER32) (0070)	Din 6499 (0077.001.R)	0080.100.R
DX-RH	C.M.2/FIL M30	50	70	Ø2÷20 (ER32) (0070)	Din 6499 (0077.001.R)	0080.200.R
SX-LH	C.M.2/FIL M30	50	70	Ø2÷20 (ER32) (0070)	Din 6499 (0077.001.L)	0080.200.L
DX-RH	C.M.2/FIL M30	50	70	Ø2÷20 (ER32) (0070)	Din 6499 (0077.101.R) c/cusc.	0080.202.R
DX-RH	C.M.3/FIL M30	50	70	Ø2÷20 (ER32) (0070)	Din 6499 (0077.001.R)	0080.300.R
SX-LH	C.M.3/FIL M30	50	70	Ø2÷20 (ER32) (0070)	Din 6499 (0077.001.L)	0080.300.L
DX-RH	C.M.3/FIL M30	50	70	Ø2÷20 (ER32) (0070)	Din 6499 (0077.101.R) c/cusc.	0080.302.R

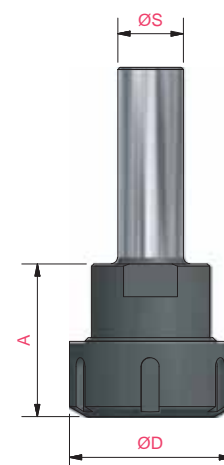


Mandrino CNC attacco Ø 20 / Ø 25

0080

Chucks Spannfutter Mandrins Mandriles

Rot	ØD	ØS	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	50	20	Ø2÷20 (ER32) (0070)	Din 6499 (0077.001.R)	0080.400.R
DX-RH	50	20	Ø2÷20 (ER32) (0070)	Din 6499 (0077.101.R) c/cuscinetto	0080.402.R
DX-RH	50	25	Ø2÷20 (ER32) (0070)	Din 6499 (0077.001.R)	0080.600.R
DX-RH	50	25	Ø2÷20 (ER32) (0070)	Din 6499 (0077.101.R) c/cuscinetto	0080.602.R



*Viene fornito completo di ghiera (senza pinza)
o con ghiera antisvitamento (con cuscinetto)*

Chuck prices include pull stud

Mandrino CNC Attacco ISO 30 Flangia Conica

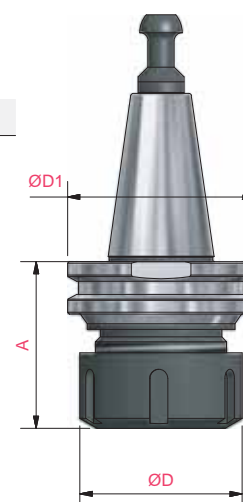
0080

Chucks Spannfutter Mandrins Mandriles

Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	50	57	58	Ø2÷20(ER32) (0070)	Din 6499 (0077.001.R)	0080.680.R

*Viene fornito completo di ghiera e tirante (senza pinza)
Tirante 0081.891 per macchine "THERMWOOD"*

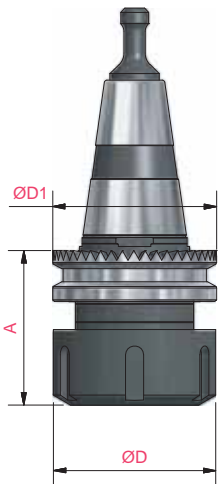
*Chuck prices include pull stud
Pull stud 0081.891 for "THERMWOOD"*



10

0080

Mandrino CNC Attacco ISO 30 - Flangia Dentata



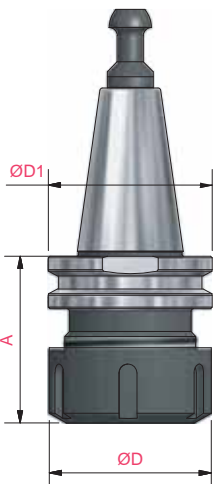
Chucks		Spannfutter		Mandrins		Mandriles	
Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number	
DX-RH	50	49	55	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.700.R	
DX-RH	50	49	55	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.702.R	
DX-RH	60	49	71	Ø3÷25 (EOC 25) (0072)	DIN 6499 (0077.202.R)	0080.701.R	
DX-RH	60	49	71	Ø3÷25 (EOC 25) (0072)	DIN 6499 (0077.203.R) c/cusc.	0080.711.R	

Viene fornito completo di ghiera e tirante (senza pinza)
o con ghiera antisvitamento (con cuscinetto)
Chuck prices include pull stud

Tirante 0081.790 per macchine "MORBIDELLI - SCM"
Pull stud 0081.790 for "MORBIDELLI - SCM"

0080

Mandrino CNC Attacco ISO 30



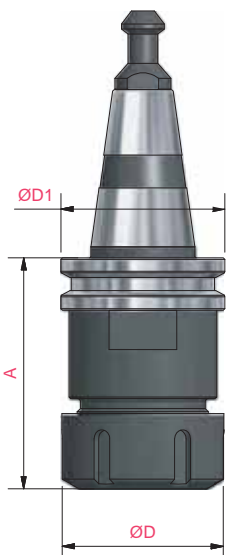
Chucks		Spannfutter		Mandrins		Mandriles	
Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number	
DX-RH	50	50	50	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.800.R	
SX-LH	50	50	50	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.L)	0080.800.L	
DX-RH	50	50	50	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.802.R	
DX-RH	63	50	60	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.830.R	
SX-LH	63	50	60	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.L)	0080.830.L	
DX-RH	63	50	60	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.102.R) c/cusc.	0080.832.R	

Viene fornito completo di ghiera e tirante (senza pinza) o con ghiera antisvitamento (con cuscinetto)
Chuck prices include pull stud

Tirante 0081.791 per macchine : BIESSE (dopo il 09/09/92) MASTERWOOD - BULLERI (Motori H.S.D.)
Pull stud 0081.791 for : BIESSE (after 09/09/92) MASTERWOOD - BULLERI (Motori H.S.D.)

0080

Mandrino CNC Attacco ISO 30 - Tipo Prolungato



Chucks		Spannfutter		Mandrins		Mandriles	
Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number	
DX-RH	50	50	68	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.804.R	
SX-LH	50	50	68	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.L)	0080.804.L	
DX-RH	50	50	68	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.806.R	
DX-RH	63	50	68	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.834.R	
SX-LH	63	50	68	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.L)	0080.834.L	
DX-RH	63	50	68	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.102.R) c/cusc.	0080.836.R	

Viene fornito completo di ghiera e tirante (senza pinza) o con ghiera antisvitamento (con cuscinetto)
Chuck prices include pull stud

Tirante 0081.791 per macchine : BIESSE (dopo il 09/09/92) MASTERWOOD - BULLERI (Motori H.S.D.)
Pull stud 0081.791 for : BIESSE (after 09/09/92) MASTERWOOD - BULLERI (Motori H.S.D.)

Chucks

Spannfutter

Mandrins

Mandriles

Tirante 0081.792 per macchine : ALBERTI - VITAP - MASTERWOOD (Motori G. Colombo)

Pull stud 0081.792 for : ALBERTI - VITAP - MASTERWOOD (Motors G. Colombo)

Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	50	50	68	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.810.R
LX-SH	50	50	68	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.L)	0080.810.L
DX-RH	50	50	68	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.812.R *

DX-RH	63	50	68	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.814.R
LX-SH	63	50	68	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.L)	0080.814.L
DX-RH	63	50	68	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.102.R) c/cusc.	0080.816.R *

Tirante 0081.791 per macchine : BUSELLATO - WEEKE - IMA - MAKA - COSMEC - REICHENBACHER

Pull stud 0081.791 for : BUSELLATO - WEEKE - IMA - MAKA - COSMEC - REICHENBACHER

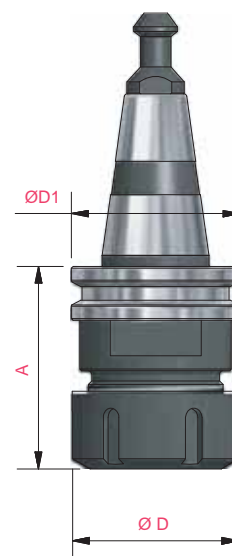
DX-RH	50	50	68	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.820.R
LX-SH	50	50	68	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.L)	0080.820.L
DX-RH	50	50	68	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.822.R *

DX-RH	63	50	68	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.824.R
LX-SH	63	50	68	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.L)	0080.824.L
DX-RH	63	50	68	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.102.R) c/cusc.	0080.826.R

Tirante 0081.794 per macchine : CMS - Flangia Ø 46

Pull stud 0081.794 for : CMS - Flangia Ø 46

DX-RH	50	46	52	Ø3÷20 (ETS32) (0073)	DIN 6499 (0077.301.R)	0080.880.R
DX-RH	50	46	52	Ø3÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.881.R
DX-RH	63	46	52	Ø4÷25 (ETS40) (0074)	DIN 6499 (0077.302.R)	0080.882.R
DX-RH	63	46	52	Ø4÷25 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.883.R

Viene fornito completo di ghiera e tirante (senza pinza) o con ghiera antisvitamento (con cuscinetto)
Chuck prices include pull stud

* lock nut bearing

Mandrino CNC Attacco ISO 30

0080

Chucks

Spannfutter

Mandrins

Mandriles

Tirante 0081.791 per macchine : BUSELLATO - WEEKE - IMA - MAKA - COSMEC - REICHENBACHER

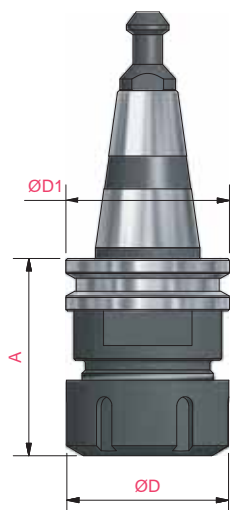
Pull stud 0081.791 for : BUSELLATO - WEEKE - IMA - MAKA - COSMEC - REICHENBACHER

Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	60	50	68	Ø3÷25 (EOC25) (0072)	DIN 6499 (0077.202.R)	0080.828.R
DX-RH	60	50	68	Ø3÷25 (EOC25) (0072)	DIN 6499 (0077.203.R) c/cusc.	0080.829.R *

Tirante 0081.791 per macchine : BIESSE (dopo il 09/09/92) MASTERWOOD - BULLERI (Motori H.S.D.)

Pull stud 0081.791 for : BIESSE (after 09/09/92) MASTERWOOD - BULLERI (Motors H.S.D.)

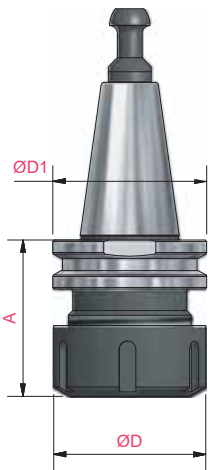
DX-RH	60	50	68	Ø3÷25 (EOC25) (0072)	DIN 6499 (0077.202.R)	0080.838.R
DX-RH	60	50	68	Ø3÷25 (EOC25) (0072)	DIN 6499 (0077.203.R) c/cusc.	0080.839.R *

Viene fornito completo di ghiera e tirante (senza pinza) o con ghiera antisvitamento (con cuscinetto)
Chuck prices include pull stud

* lock nut bearing

0080

Mandrino CNC Attacco ISO 30



Chucks

Spannfutter

Mandrins

Mandriles

Tirante 0081.791 per ELETTRMANDRINI ELTE - Pull stud 0081.791 for ELETTRMANDRINI ELTE

Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	50	58	50	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.845.R
DX-RH	50	58	50	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.846.R*
DX-RH	63	58	56	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.847.R
DX-RH	63	58	56	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.102.R) c/cusc.	0080.848.R*

Tirante 0081.793 per macchine ESSETEAM (Flangia non fresata) - Pull stud 0081.793 for ESSETEAM

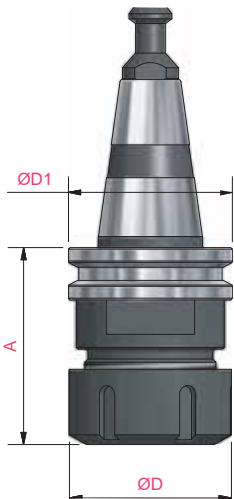
DX-RH	50	58	50	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.861.R
DX-RH	50	58	50	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.862.R*
DX-RH	63	58	56	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.864.R
DX-RH	63	58	56	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.102.R) c/cusc.	0080.866.R*

* lock nut bearing

Viene fornito completo di ghiera e tirante (senza pinza) o con ghiera antisvitamento (con cuscinetto)
Chuck prices include pull stud

0080

Mandrino CNC Attacco ISO 40



Chucks

Spannfutter

Mandrins

Mandriles

Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	50	63,5	73	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.850.R
DX-RH	50	63,5	73	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.852.R*
DX-RH	63	63,5	73	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.870.R
DX-RH	63	63,5	73	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.102.R) c/cusc.	0080.872.R*

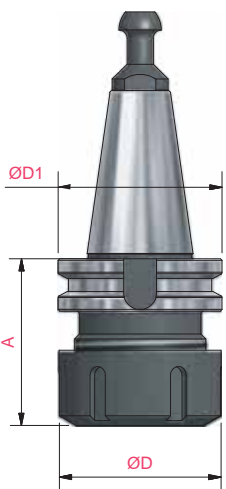
Viene fornito completo di ghiera e tirante (senza pinza) o con ghiera antisvitamento (con cuscinetto)
Chuck prices include pull stud

Tirante 0081.893 per macchine : WEEKE - IMA - MAKI - REICHENBACHER - STREGHERR
Pull stud 0081.893 for : WEEKE - IMA - MAKI - REICHENBACHER - STREGHERR

* lock nut bearing

0080

Mandrino CNC Cono BT30 - BT35 - BT40



Chucks

Spannfutter

Mandrins

Mandriles

Rot	Tipo	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	BT30	50	46	60	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.910.R*
DX-RH	BT30	63	46	70	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.102.R) c/cusc.	0080.912.R*
DX-RH	BT35	50	53	69	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.920.R*
DX-RH	BT35	63	53	60	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.102.R) c/cusc.	0080.922.R*
DX-RH	BT40	50	63	65	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.930.R*

Viene fornito completo di ghiera e tirante (senza pinza) o con ghiera antisvitamento (con cuscinetto)
Chuck prices include pull stud

Tirante 0081.895 per macchine : BT30 SHODA - Pull stud 0081.895 for : BT30 SHODA

Tirante 0081.896 per macchine : BT35 HEIAN - Pull stud 0081.896 for : BT35 HEIAN

Tirante 0081.897 per macchine : BT40 SHODA - Pull stud 0081.897 for : BT40 SHODA

* lock nut bearing

Mandrino CNC Cono HSK 40A

0080

Chucks

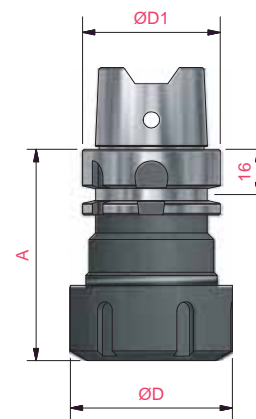
Spannfutter

Mandrins

Mandriles

Rot	ØD	ØD1	A	Pinza/Collect	Ghiera/Nut	Part Number
DX-RH	50	40	65	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.950.R

Viene fornito completo di ghiera e controghiera (senza pinza)
Per macchine : "CENTAURO"



Mandrino CNC Cono HSK 63F

0080

Chucks

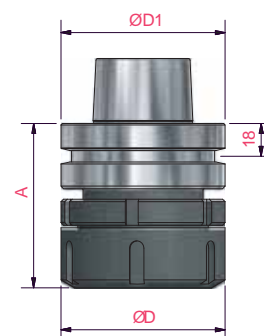
Spannfutter

Mandrins

Mandriles

Rot	ØD	ØD1	A	Pinza/Collect	Ghiera/Nut	Part Number
DX-RH	63	63	71	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.953.R

Viene fornito completo di ghiera e controghiera (senza pinza)
Per macchine : "ESSETRE"



Mandrino CNC Cono HSK 63A

0080

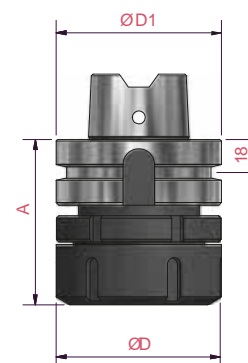
Chucks

Spannfutter

Mandrins

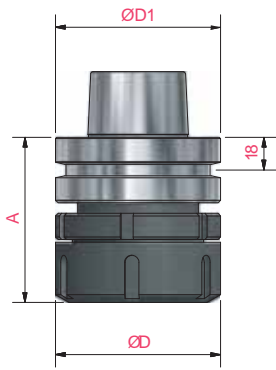
Mandriles

Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Controghiera	Part Number
DX-RH	63	63	71	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0078	0080.956.R



0080

Mandrino CNC Cono HSK 63F



Chucks

Spannfutter

Mandrins

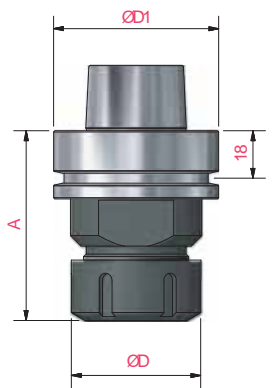
Mandriles

Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Controghiera	Part Number
DX-RH	63	63	79	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0078	0080.959.R

Viene fornito completo di ghiera e controghiera (senza pinza) Per macchine : "UNITEAM"

0080

Mandrino CNC Cono HSK Tipo "F"



Chucks

Spannfutter

Mandrins

Mandriles

Rot	Cono	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	HSK 50 F	50	50	73	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.966.R
DX-RH	HSK 50 F	50	50	76	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.968.R
DX-RH	HSK 50 F	60	50	78	Ø3÷26 (EOC25) (0072)	DIN 6499 (0077.202.R)	0080.974.R
DX-RH	HSK 63 F	42	63	70	Ø3÷16 (ER25) (0067)	DIN 6499 (0077.003.R)	0080.975.R
DX-RH	HSK 63 F	50	63	75	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.976.R
SX-LH	HSK 63 F	50	63	75	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.L)	0080.976.L
DX-RH	HSK 63 F	50	63	76	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.101.R) c/cusc.	0080.978.R
DX-RH	HSK 63 F	63	63	75	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.980.R
SX-LH	HSK 63 F	63	63	75	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.L)	0080.980.L
DX-RH	HSK 63 F	63	63	78	Ø2÷30 (ER40) (0071)	DIN 6499 (0077) c/cusc.	0080.982.R
DX-RH	HSK 63 F	60	63	78	Ø3÷26 (EOC25) (0072)	DIN 6499 (0077.202.R)	0080.983.R
DX-RH	HSK 63 F	60	63	78	Ø3÷26 (EOC25) (0072)	DIN 6499 (0077.203.R) c/cusc.	0080.984.R
DX-RH	HSK 63 F	60	63	115	Ø3÷26 (EOC25) (0072)	DIN 6499 (0077.203.R) c/cusc.	0080.994.R

Viene fornito completo di ghiera (senza pinza)

Mandrino CNC Cono HSK 63E

0080

Chucks

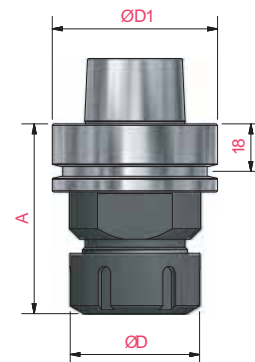
Spannfutter

Mandrins

Mandriles

Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	50	63	76	Ø2÷20 (ER32) (0070)	DIN 6499 (0077.001.R)	0080.985.R
DX-RH	50	63	76	Ø2÷30 (ETS32) (0073)	DIN 6499 (0077.301.R)	0080.986.R
DX-RH	63	63	76	Ø2÷30 (ER40) (0071)	DIN 6499 (0077.002.R)	0080.987.R
DX-RH	63	63	76	Ø4÷25 (ETS40) (0074)	DIN 6499 (0077.302.R)	0080.988.R

Viene fornito completo di ghiera (senza pinza)
Per macchine : "UNITEAM"



Mandrino CNC Cono HSK 50E 40

0080

Chucks

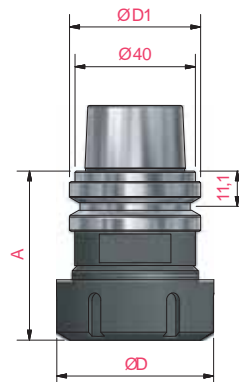
Spannfutter

Mandrins

Mandriles

Rot	ØD	ØD1	A	Pinza/Collet	Ghiera/Nut	Part Number
DX-RH	60	50	75	Ø3÷26 (EOC25) (0072)	DIN 6499 (0077.203.R) c/cusc.	0080.996.R

Viene fornito completo di ghiera (senza pinza)



Tiranti per Coni Portautensili

0081.790

Pull

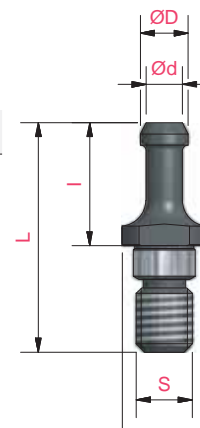
Schäfte für Spannfutter

Queue pour mandrin

Tirante para mandril

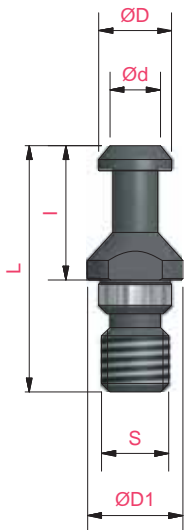
Tipo/Type	S	Ød	ØD	ØD1	I	L	DX-RH
ISO 30	M10	6,5	8,5	15	22	42,5	0081.790.R

Per macchine - For machines:
"MORBIDELLI - SCM"



0081

Tiranti per Coni Portautensili



Pull

Schäfte für Spannfutter

Queue pour mandrin

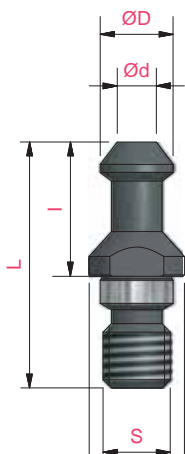
Tirante para mandril

Tipo/Type	S	Ød	ØD	ØD1	I	L	DX-RH
ISO 30	M10	9	13	17	24	44	0081.791.R
ISO 40	M16	14	19	23	26	54	0081.893.R

Per macchine - For machines:
 "BUSELLATO - WEEKE - IMA - BULLERI
 MAKI - COSMEC - REICHENBACHER - ELTE "

0081.792

Tiranti per Coni Portautensili



Pull

Schäfte für Spannfutter

Queue pour mandrin

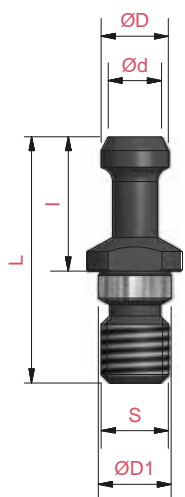
Tirante para mandril

Tipo/Type	S	Ød	ØD	ØD1	I	L	DX-RH
ISO 30	M12	9	12,8	17	24	44	0081.792.R

Per macchine - For machines:
 "ALBERTI - VITAP - MASTERWOOD"

0081.793

Tiranti per Coni Portautensili



Pull

Schäfte für Spannfutter

Queue pour mandrin

Tirante para mandril

Tipo/Type	S	Ød	ØD	ØD1	I	L	DX-RH
ISO 30	M12	8	12	16	24	44	0081.793.R

Per macchine - For machines:
 "ESSETEAM "

Tiranti per Coni Portautensili

0081.794

Pull

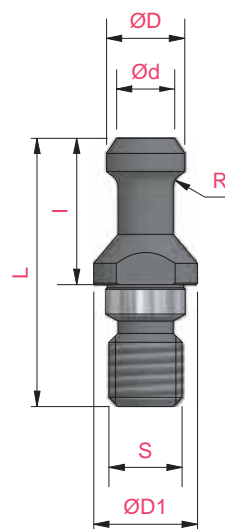
Schäfte für Spannfutter

Queue pour mandrin

Tirante para mandril

Tipo/Type	S	Ød	ØD	ØD1	R	I	L	DX-RH
ISO 30	M12	9	12,8	17	2,4	24	44	0081.794.R

Per macchine - For machines:
"CMS "



Tiranti per Coni Portautensili

0081.795

Pull

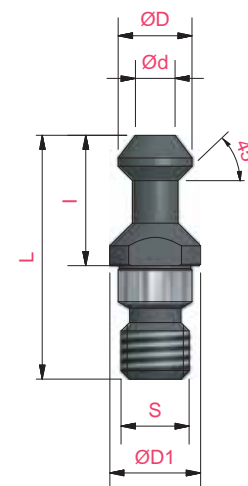
Schäfte für Spannfutter

Queue pour mandrin

Tirante para mandril

Tipo/Type	S	Ød	ØD	ØD1	I	L	DX-RH
ISO 30	M12	9	13	17	23	44	0081.795.R

Per macchine - For machines:
"BELOTTI "



Tiranti per Coni Portautensili

0081.890

Pull

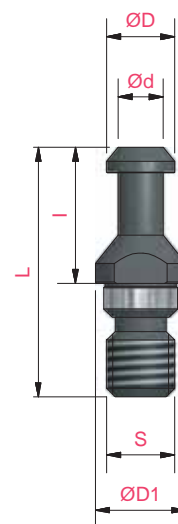
Schäfte für Spannfutter

Queue pour mandrin

Tirante para mandril

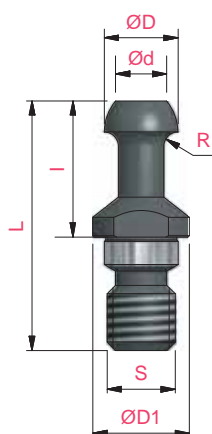
Tipo/Type	S	Ød	ØD	ØD1	I	L	DX-RH
ISO 30	M12	9	13	17	24	44	0081.890.R

Per macchine - For machines:
"BIESSE "



0081.891

Tiranti per Coni Portautensili



Pull

Schäfte für Spannfutter

Queue pour mandrin

Tirante para mandril

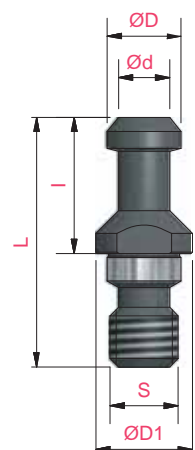
Tipo/Type	S	Ød	ØD	ØD1	R	I	L	DX-RH
ISO 30	M12	8	12	17	3,2	24	44	0081.891.R

Per machine - For machines:

"BIESSE - MASTERWOOD - BULLERI - TERMWOOD"

0081.894

Tiranti per Coni Portautensili



Pull

Schäfte für Spannfutter

Queue pour mandrin

Tirante para mandril

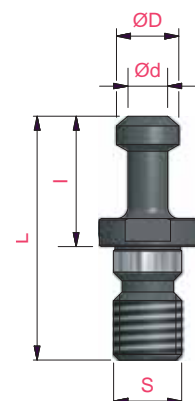
Tipo/Type	S	Ød	ØD	ØD1	I	L	DX-RH
BT 30	M12	9	13	17	24	44	0081.894.R

Per machine - For machines:

"KOMO"

0081.895

Tiranti per Coni Portautensili



Pull

Schäfte für Spannfutter

Queue pour mandrin

Tirante para mandril

Tipo/Type	S	Ød	ØD	I	L	DX-RH
BT 30	M12	7	11	23,5	43	0081.895.R
BT 35	M12	8,5	13	28	48	0081.896.R
BT 40	M16	10	15	35	60	0081.897.R

Per machine - For machines:

"BT 30 - BT 40 SHODA - BT 35 HEIAN"

Pinze ER 32

0070

Collets

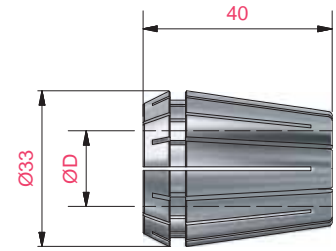
Schäfte für Spannfutter

Pinces

Pinzas

ØD	Part Number
2 - 1	0070.020
3 - 2	0070.030
3,2 - (1/8")	0070.032
4 - 3	0070.040
4,8 - (3/16")	0070.048
5 - 4	0001.050
6 - 5	0070.060
6-4 - (1/4")	0070.064
7 - 6	0070.070
7-9 - (5/16")	0070.079
8 - 7	0070.080
9 - 8	0070.090
9,5 - (3/8")	0070.095
10 - 9	0070.100

ØD	Part Number
11 - 10	0070.110
12 - 11	0070.120
12,7 - (1/2")	0070.127
13 - 12	0070.130
14 - 13	0070.140
15 - 14	0070.150
15,9 - (5/8")	0070.159
16 - 15	0070.160
17 - 16	0070.170
18 - 17	0070.180
19 - 18	0070.190
19,1 - 3/4")	0070.191
20 - 19	0070.200



Pinze ER 40

0071

Collets

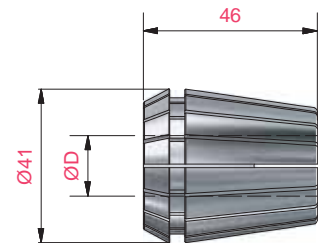
Schäfte für Spannfutter

Pinces

Pinzas

ØD	Part Number
3 - 2	0071.030
4 - 3	0071.040
4,8 - (3/16")	0071.048
5 - 4	0071.050
6 - 5	0071.060
6-4 - (1/4")	0071.064
7 - 6	0071.070
7-9 - (5/16")	0071.079
8 - 7	0071.080
9 - 8	0071.090
9,5 - (3/8")	0071.095
10 - 9	0071.100
11 - 10	0071.110
12 - 11	0071.120
12,7 - (1/2")	0071.127
13 - 12	0071.130
14 - 13	0071.140

ØD	Part Number
15 - 14	0071.150
15,9 - (5/8")	0071.159
16 - 15	0071.160
17 - 16	0071.170
18 - 17	0071.180
19 - 18	0071.190
19,1 - 3/4")	0071.191
20 - 19	0071.200
21 - 20	0071.210
22 - 21	0071.220
23 - 22	0071.230
24 - 23	0071.240
25 - 24	0071.250
25,4 - (1")	0071.254
26 - 25	0071.260
28 - 27	0071.280
30 - 29	0071.300



0072

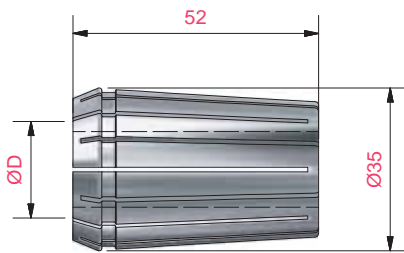
Pinze EOC 25

Collets

Schäfte für Spannutter

Pincas

Pinzas



ØD	Part Number	ØD	Part Number
2 - 1,5	0072.020	12 - 11,5	0072.120
3 - 2,5	0072.030	13 - 12,5 - (1/2")	0072.130
4 - 3,5	0072.040	14 - 13,5	0072.140
5 - 4,5	0072.050	15,9 - (5/8")	0072.159
6 - 5,5	0072.060	16 - 15,5	0072.160
6-4 - (1/4")	0072.064	18 - 17,5	0072.180
7 - 6,5	0072.070	19,1 - (3/4")	0072.191
8 - 7,5	0072.080	20 - 19,5	0072.200
9,5 - (3/8")	0072.095	22 - 21,5	0072.220
10 - 9,5	0072.100	25 - 24,5	0072.250
11 - 10,5	0072.110	25,4 - (1")	0072.254

0067

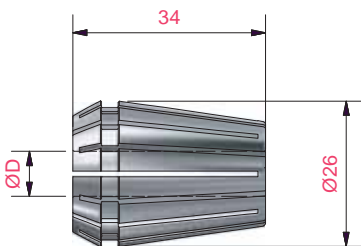
Pinze ER 25

Collets

Schäfte für Spannutter

Pincas

Pinzas



ØD	Part Number	ØD	Part Number
3 - 2	0067.030	9,5 - (3/8")	0067.095
3,2 - (1/8")	0067.032	10 - 9	0067.100
4 - 3	0067.040	11 - 10	0067.110
4,8 - (3/16")	0067.048	12 - 11	0067.120
5 - 4	0067.050	12,7 - (1/2")	0067.127
6 - 5	0067.060	13 - 12	0067.130
6-4 - (1/4")	0067.064	14 - 13	0067.140
7 - 6	0067.070	15 - 14	0067.150
7-9 - (5/16")	0067.079	15,9 - (5/8")	0067.159
8 - 7	0067.080	16 - 15	0067.160
9 - 8	0067.090		

0068

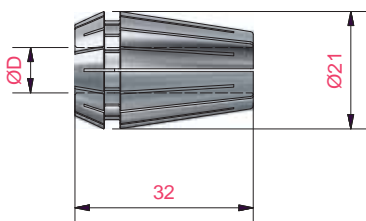
Pinze ER 20

Collets

Schäfte für Spannutter

Pincas

Pinzas



ØD	Part Number	ØD	Part Number
3 - 2	0068.030	9,5 - (3/8")	0068.095
3,2 - (1/8")	0068.032	10 - 9	0068.100
4 - 3	0068.040	11 - 10	0068.110
5 - 4	0068.050	12 - 11	0068.120
6 - 5	0068.060	12,7 - (1/2")	0068.127
6-4 - (1/4")	0068.064	13 - 12	0068.130
8 - 7	0068.080		
9 - 8	0068.090		

Pinze ER 16

0069

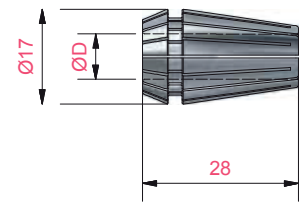
Collets

Schäfte für Spannfutter

Pinces

Pinzas

ØD	Part Number	ØD	Part Number
2 - 1	0069.020	6-4 - (1/4")	0069.064
3 - 2	0069.030	7 - 6	0069.070
3,2 - (1/8")	0069.032	8 - 7	0069.080
4 - 3	0069.040	9 - 8	0069.090
5 - 4	0069.050	9,5 - (3/8")	0069.095
6 - 5	0069.060	10 - 9	0069.100



Pinze ETS 32

0073

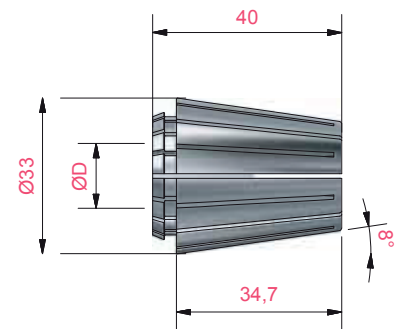
Collets

Schäfte für Spannfutter

Pinces

Pinzas

ØD	Part Number	ØD	Part Number
3 - 2	0073.030	12 - 11	0073.120
4 - 3	0073.040	13 - 12	0073.130
5 - 4	0073.050	14 - 13	0073.140
6 - 5	0073.060	16 - 15	0073.160
7 - 6	0073.070	18 - 17	0073.180
8 - 7	0073.080	20 - 19	0073.200
10 - 9	0073.100		



Pinze ETS 40

0074

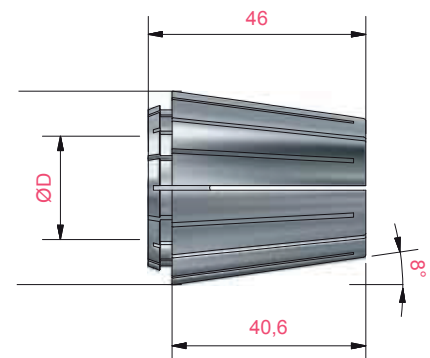
Collets

Schäfte für Spannfutter

Pinces

Pinzas

ØD	Part Number	ØD	Part Number
4	0074.040	13 - 12	0074.130
5	0074.050	14 - 13	0074.140
6	0074.060	15 - 16	0074.160
7	0074.070	18	0074.180
8 - 7	0074.080	20	0074.200
10 - 9	0074.100	25	0074.250
12 - 11	0074.120		



0077

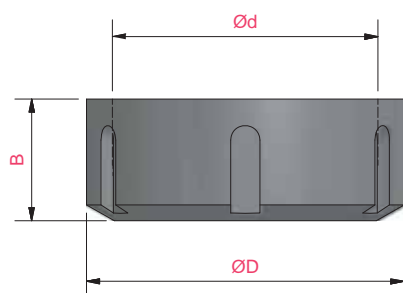
Ghiera

Lock Nut

Nutmutter

Ecrans

Tuercas



ØD	B	Ød	Tipo/Type	Dx	Sx
42	20	M32 x 1,5	Per Pinza ER 25	0077.003.R	
50	23	M40 x 1,5	Per Pinza ER 32	0077.001.R	0077.001.L
63	25	M50 x 1,5	Per Pinza ER 40	0077.002.R	0077.002.L
50	23	M40 x 1,5	Per Pinza ER 32 c/cuscinetto	0077.101.R	
63	25	M50 x 1,5	Per Pinza ER 40 c/cuscinetto	0077.102.R	
60	30	M48 x 2	Per Pinza DIN 6388 EOC25	0077.202.R	0077.202.L
60	30	M48 x 2	Per Pinza DIN 6388 EOC25 c/cuscinetto	0077.203.R	
50	23	M40 x 1,5	Per Pinza ETS 32	0077.301.R	
63	50	M50 x 1,5	Per Pinza ETS 40	0077.302.R	

0078

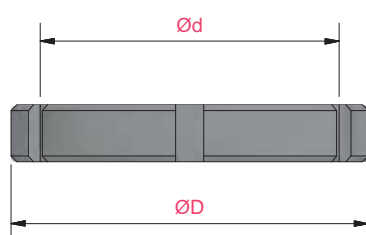
Ghiera

Nut

Nutmutter

Ecrans

Tuercas



ØD	B	Ød	Dx
63	10	M50 x 1,5	0078.000.R

Per Art. 0080.953 - 0080.956 - 0080.959